

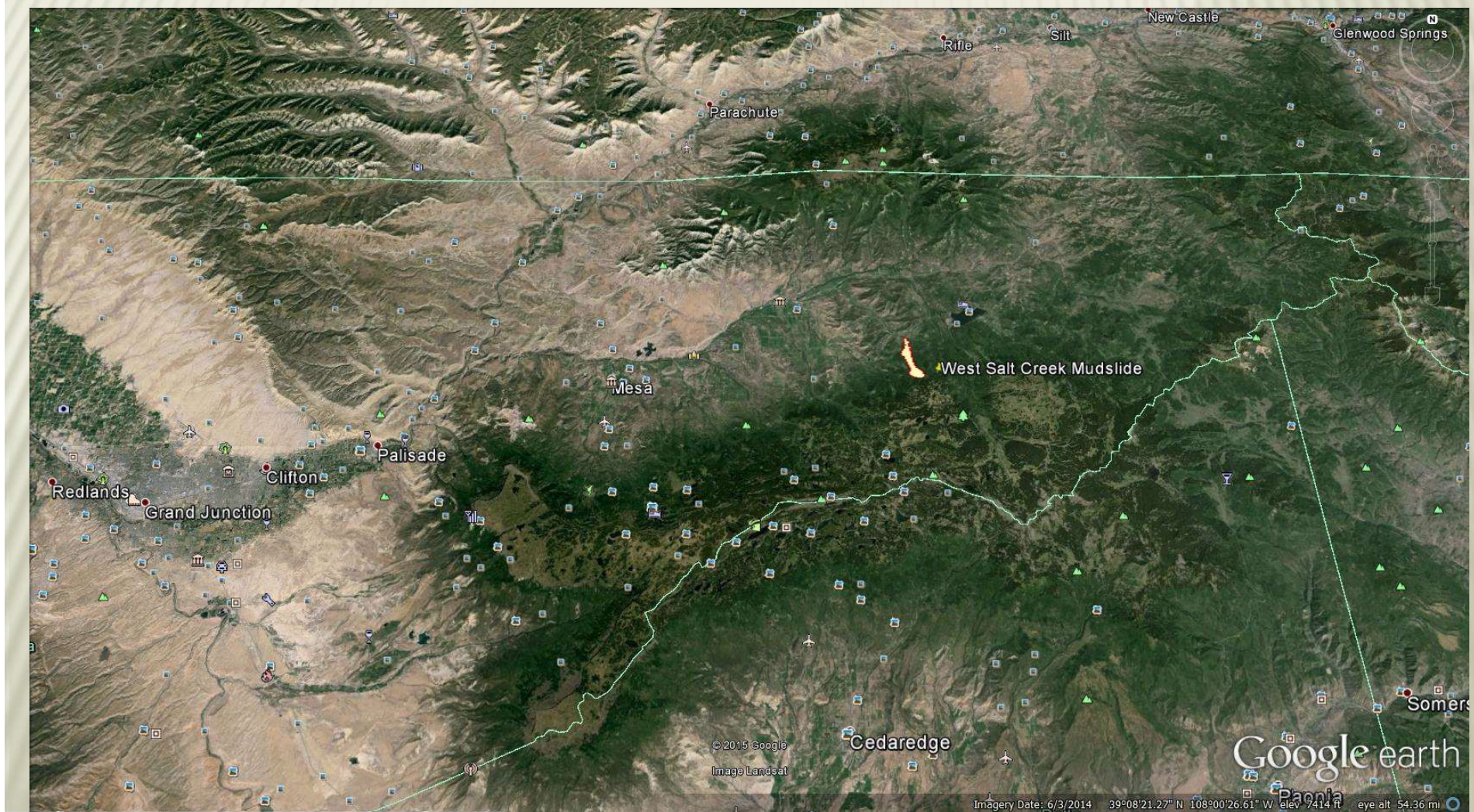
WATER DIVISION 5 PRESENTATION

State Engineer's Annual Meeting, April 28, 2015



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WEST SALT CREEK MUDSLIDE



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WEST SALT CREEK MUDSLIDE



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Google earth

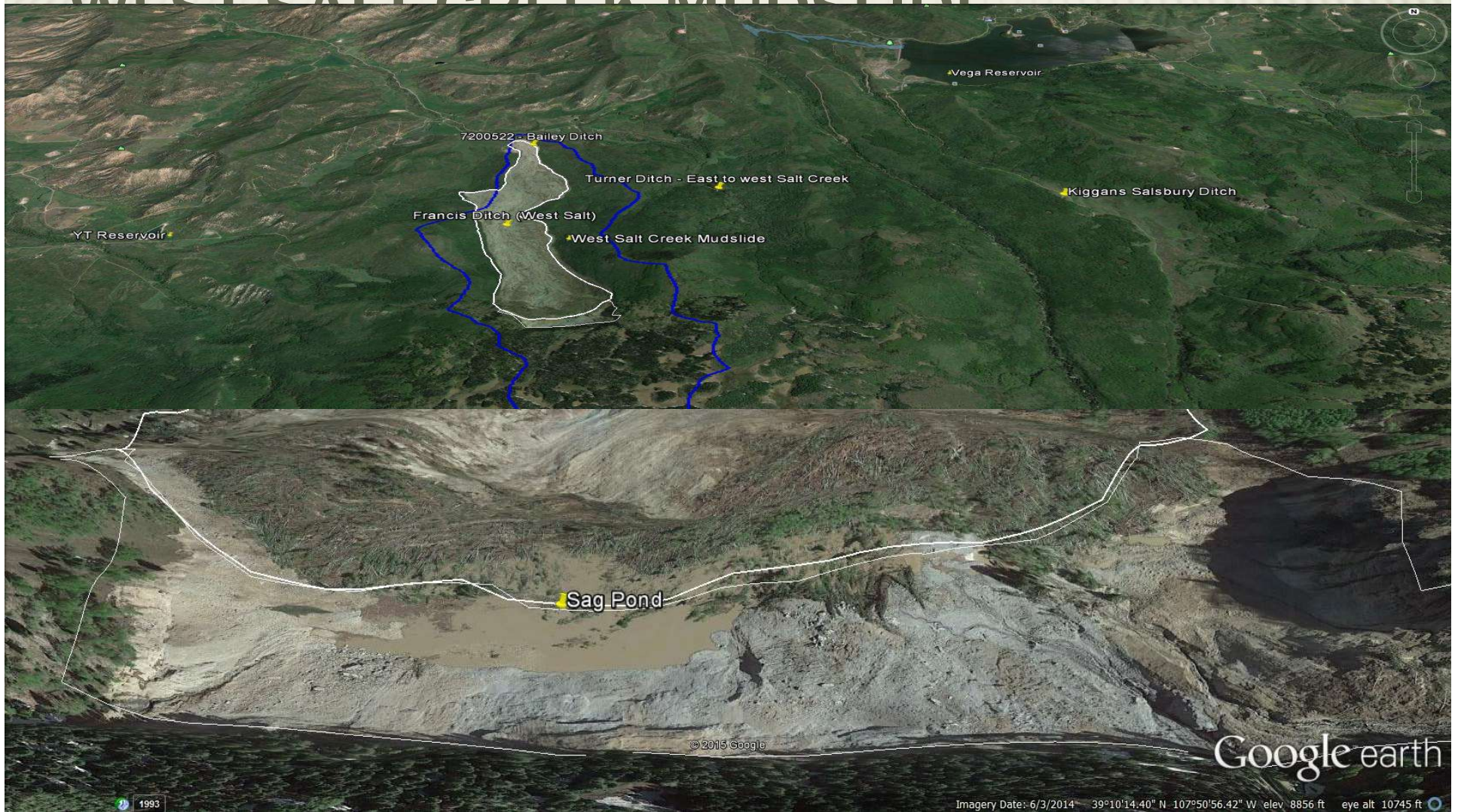
1993

Imagery Date: 6/3/2014 39°10'32.13" N 107°51'08.64" W elev 8383 ft eye alt 13910 ft



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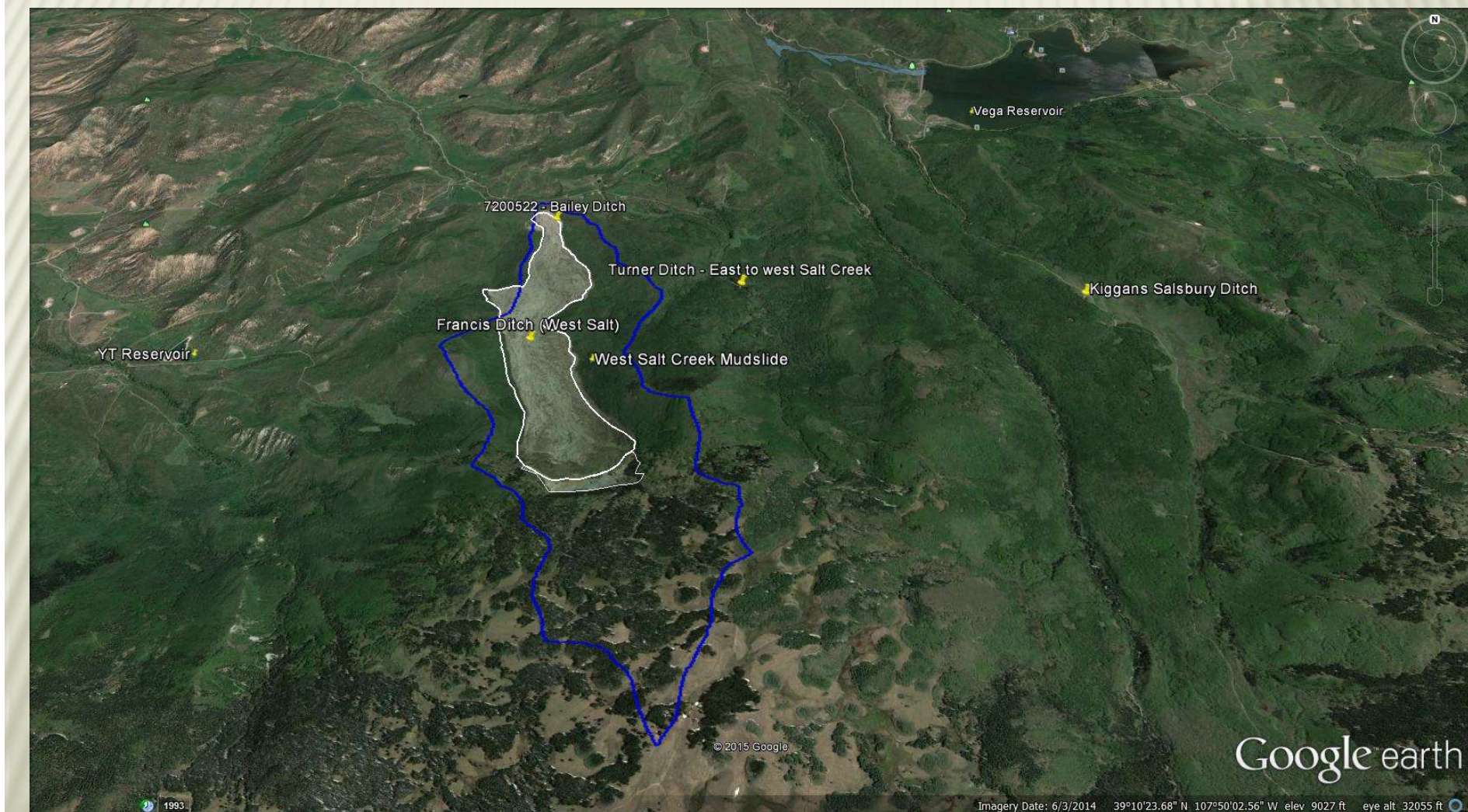
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WEST SALT CREEK MUDSLIDE

- ✖ Three people died while investigating a smaller slide that had cut off water supply to local ditch
- ✖ Clancy and Danny Nichols ranching family with lands on Salt Creek
- ✖ Wes Hawkins, former Water Commissioner and at the time Manager of the Collbran Conservancy District



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WEST SALT CREEK MUDSLIDE

Some statistics

- ✖ 2.75 miles long, and up to 0.75 miles wide
- ✖ 706 acres
- ✖ 50 million cubic meters of material
- ✖ 2014 Oso slide north of Seattle had 8 million cubic meters
- ✖ Headwall Scarp over 100 feet high



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OSO WASHINGTON SLIDE



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WEST SALT CREEK MUDSLIDE

CONCERNS

- ✖ 35 homes threatened
- ✖ Additional 30-50 cubic meters perched on and above slide
- ✖ Inflow lubricating this material
- ✖ Block below head scarp formed a Sag Pond that could store 245AF before Spilling
- ✖ Drill Pad at terminus of slide material



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WEST SALT CREEK MUDSLIDE

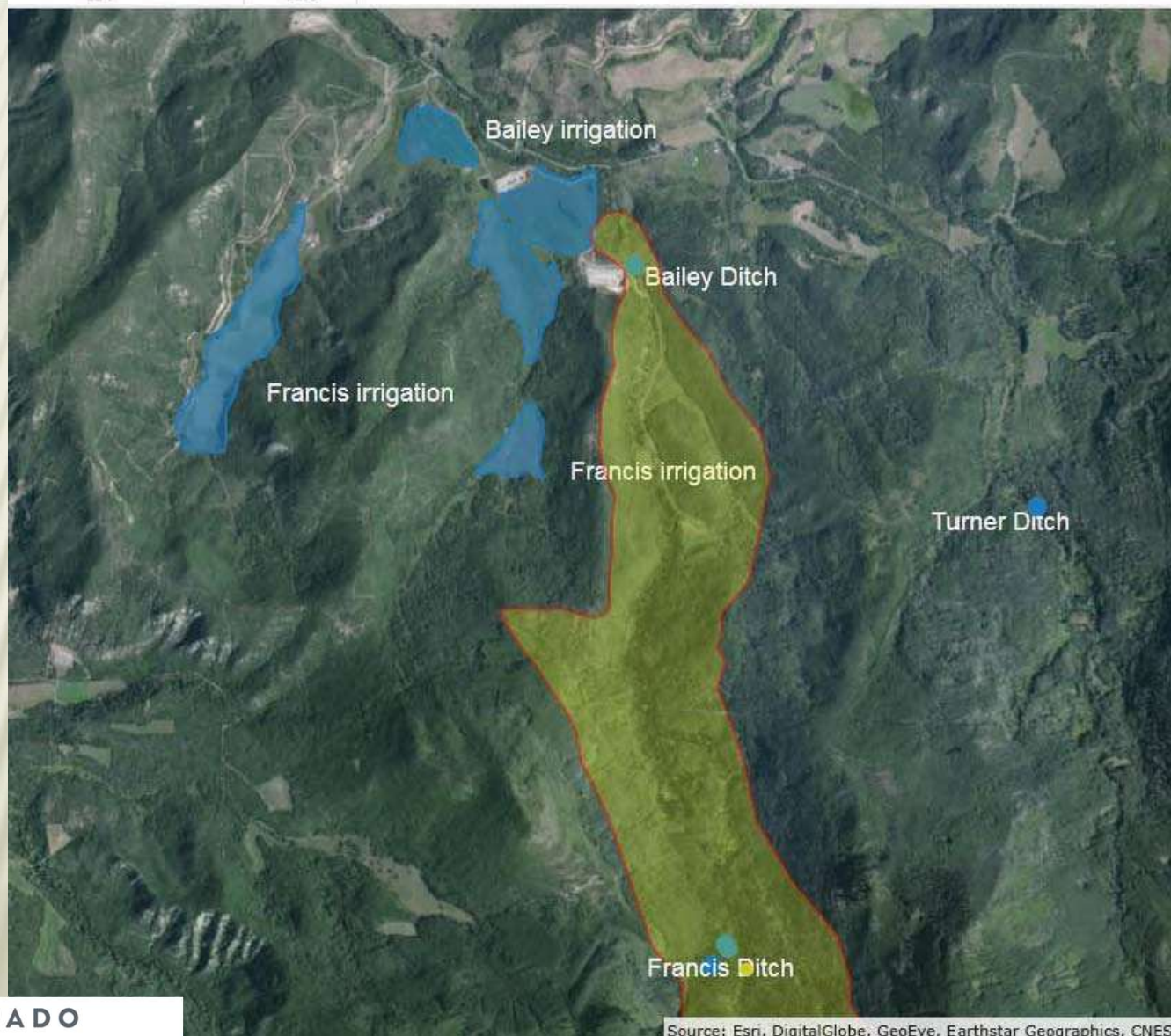
- ✖ Francis Ditch destroyed
 - + 49 Acres irrigated total
 - + No live stream in slide area
 - + 35 irr acres near Southside Canal with no project water
- ✖ Turner Ditch
 - + Carrier to West Salt – no channel to deliver to
 - + Irrigation under Bailey Ditch
- ✖ Bailey Ditch
 - + Buried under slide $\frac{1}{4}$ mile from terminus
 - + No flow in West Salt and no means to get East Salt and Leon Creek water into Bailey



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WEST SALT CREEK MUDSLLIDE

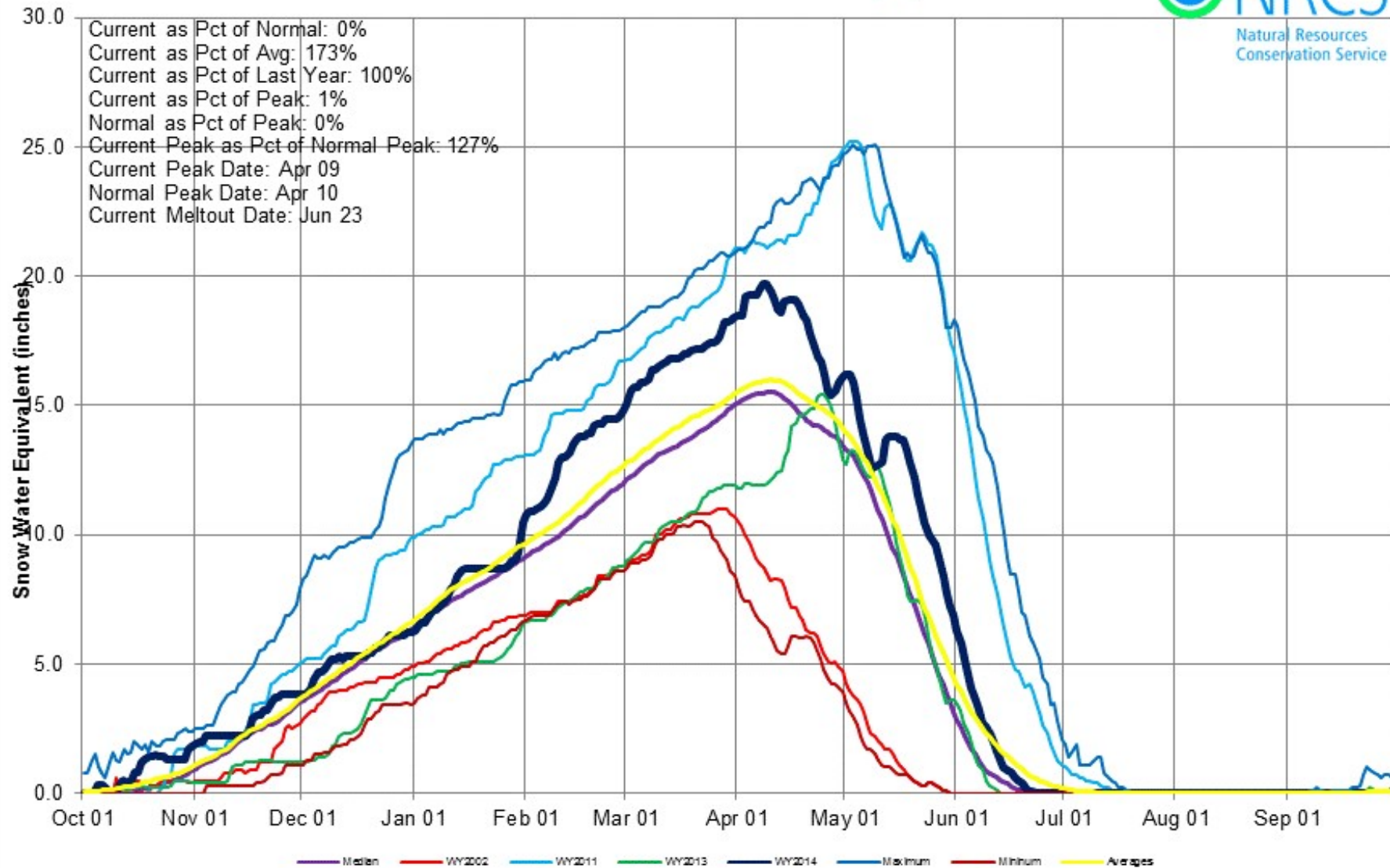


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Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/A

Upper Colorado River Basin High/Low Snowpack Summary

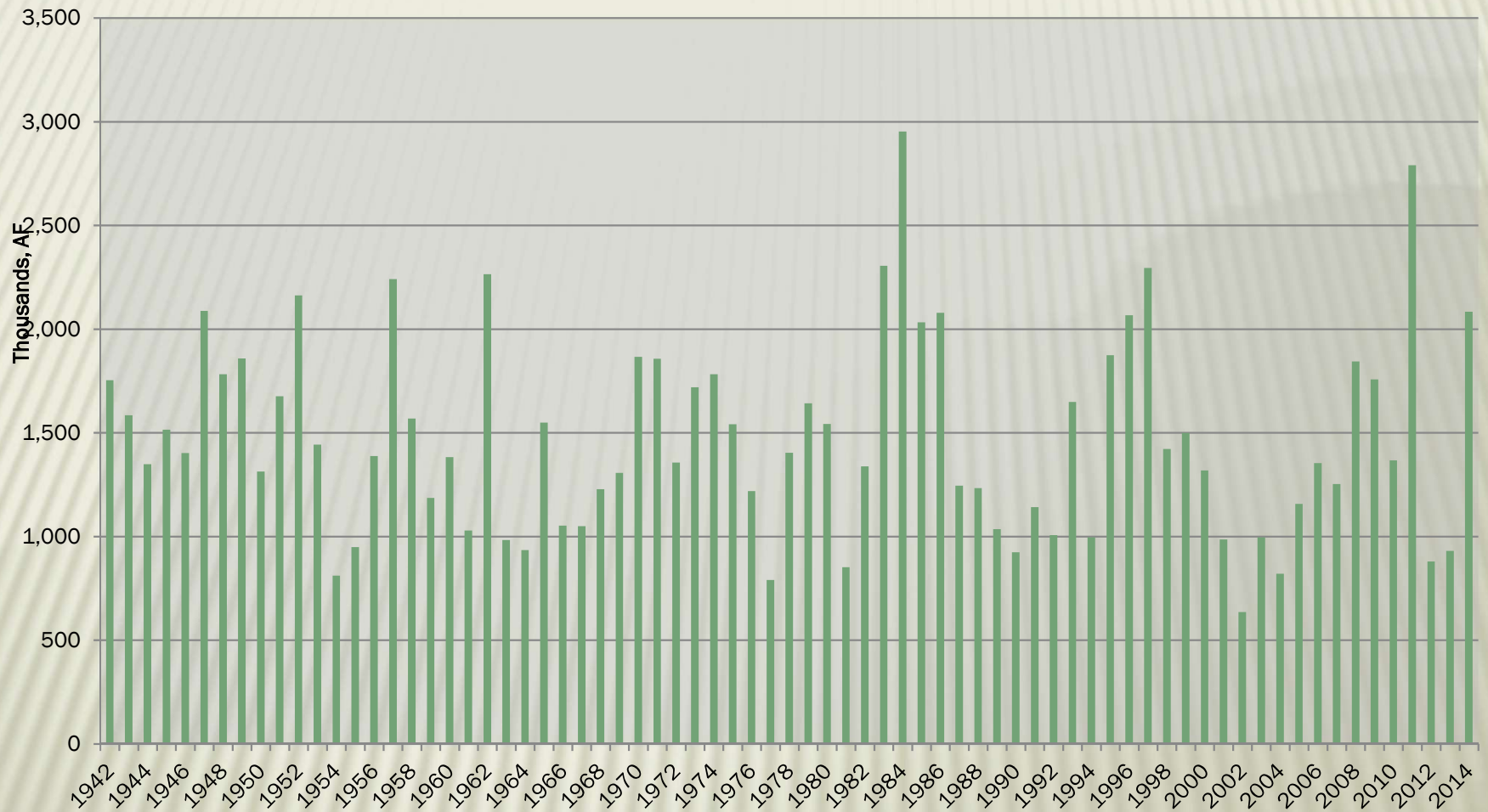
Based on Provisional SNOTEL data as of Sep 30, 2014



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Colorado River nr Dotsero through 2014

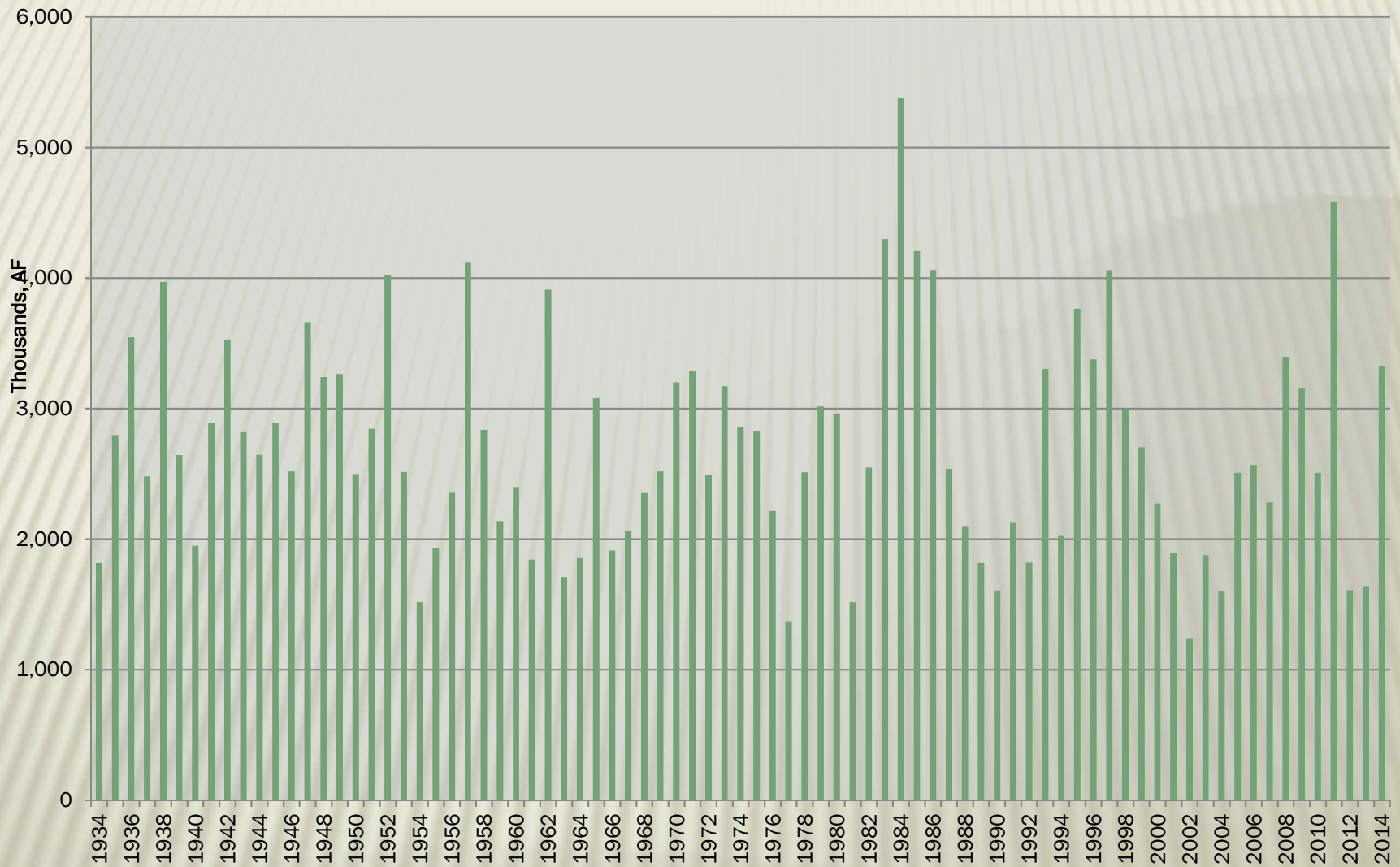


9th highest runoff in 72 years of record



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Colorado River nr Cameo through 2014



17th highest runoff in 81 years of record



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WATER ADMINISTRATION HIGHLIGHTS

- ✖ Interim Green Mtn Fill Policy 2003-2013
- ✖ Green Mountain Fill Protocol 2014
- ✖ No Cameo Call for 2014
- ✖ Shoshone Power Plant operated entire year except brief outage for maintenance
- ✖ Shoshone Power Call only 182 days



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MAINSTEM CALL SUMMARY

SUMMARY OF COLORADO RIVER MAIN STEM CALLS 2014 IRRIGATION YEAR

STATUS OF DOTSERO CALL

DATE ON	THRU	DAYS CALL ON/OFF	CALLING RIGHT	DECREED AMT	SWING PRIORITY	SWING PRIORITY ADMIN NO
11-01-13	11-24-13	24	Free River	---	---	---
11-25-14	04-03-14	130	Shoshone Power Plant	1,250 cfs	----	20427.18999
04-04-14	04-06-14	3	Shoshone Power Plant	158 cfs		33023.28989
04-07-14	08-12-14	128	Free River	---	---	---
08-13-14	09-03-14	22	Shoshone Power Plant	175,000 AF	Dillon Res Refill right	50038.49309
09-04-14	09-11-14	8	Shoshone Power Plant	158 cfs	---	33023.28989
09-12-14	09-15-14	4	Shoshone Power Plant	43989.70 AF	Homestake Proj Res	38753.37520
09-16-14	09-30-14	15	Shoshone Power Plant	158 cfs		33023.28989
10-01-14	10-31-14	31	Free River			

STATUS OF CAMEO CALL

DATE ON	THRU	DAYS CALL ON/OFF	CALLING RIGHT	DECREED AMT	SWING PRIORITY	SWING PRIORITY ADMIN NO
11.01.13	10.31.14	365	Free River	---	---	---



WATER ADMINISTRATION HIGHLIGHTS

- ✖ Granby Reservoir spilled and end of year content at 522,180AF was one of highest recorded.
- ✖ Windy Gap did not pump in 2014
- ✖ 16 HUP meetings – Wet Year target of 1630 cfs
- ✖ HUP surplus declared – 59,594AF released of 66KAF



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HOMESTAKE RESERVOIR REPAIR PROJECT

- ✖ Began August 2011 will lowering of crest and construction of staging area
- ✖ Project Repairs – crest, dam outlet, rehab asphalt upst facing, replace tunnel headgate
- ✖ Approved SWSP's for out-of-priority storage and construction water



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HOMESTAKE RESERVOIR REPAIR PROJECT

- ✖ Stored 4000AF in 2013, but withdrawn in early 2014 for concerns with bubbling in new asphalt facing
- ✖ Approved to store to elevation 10,200 ft in 2014
- ✖ Max storage 10,136.89 feet, 20,724AF, April 2015.
- ✖ Decreed Capacity is 43,505AF, Physical Cap 42,900AF at 10,266 feet



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AND THEN 2015

